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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/895,445	06/29/2001	Raj Prakash	SP-6052 US	9011
22120 75	590 07/21/2004		EXAMINER	
ZAGORIN O'BRIEN & GRAHAM, L.L.P.			ROCHE, TRENTON J	
7600B N. CAP	ITAL OF TEXAS HWY.		ART UNIT	PAPER NUMBER
SUITE 350 AUSTIN, TX	78731		2124	
.100111,			DATE MAILED: 07/21/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

			1				
	Application No.	Applicant(s)	/W/				
	09/895,445	PRAKASH ET AL.	V				
Office Action Summary	Examiner	Art Unit					
	Trent J Roche	2124					
The MAILING DATE of this communication a	ppears on the cover sheet v	with the correspondence address -					
Period for Reply	N V IC CET TO EVDIDE 21	MONTH(S) FROM					
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by state - Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	J. 1.136(a). In no event, however, may a eply within the statutory minimum of the od will apply and will expire SIX (6) Mo	a reply be timely filed hirty (30) days will be considered timely. DNTHS from the mailing date of this communicated the com	ation.				
Status							
24 / — ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
closed in accordance with the practice unde	r Ex parte Quayle, 1935 C	.D. 11, 455 O.G. 215.					
Disposition of Claims							
4) Claim(s) 1-25 is/are pending in the application							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-25</u> is/are rejected.							
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and	d/or election requirement						
8) Claim(s) are subject to restriction and	a/o/ e/eouon roquiroment						
Application Papers							
9)☐ The specification is objected to by the Exam	iner.	to deal to builby Everyings					
10)⊠ The drawing(s) filed on 29 June 2001 is/are:	a)⊠ accepted or b) ob	elected to by the Examiner.					
Applicant may not request that any objection to t	he drawing(s) be neid in abey	rance. See 37 OFK 1.03(a).	21(d).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority document 		. § 119(a)-(d) or (f).					
2. Certified copies of the priority docume		Application No					
3. Copies of the certified copies of the p	riority documents have be	en received in this National Stage)				
application from the International Bur	eau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
44-4							
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Intervie	w Summary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
Information Disclosure Statement(s) (PTO-1449 or PTO/SB. Paper No(s)/Mail Date	/08) 5) Notice 6						
T aper No(s)/Wall Date							

1. This office action is responsive to communications filed 29 June 2001.

2. Claims 1-25 have been examined.

Claim Objections

3. Claim 7 is objected to because of the following informalities: the claim ends with two periods. Appropriate correction is required.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claims 20 and 23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 6. Claim 20 recites the limitation "The method of claim 19..." in line 1. There is insufficient antecedent basis for this limitation in the claim. Claim 19 does not disclose a method, and this would appear to be simply a typo. For purposes of examination, the claim will be interpreted to read "The apparatus of claim 19..."
- 7. Claim 23 recites the limitation "The computer program product of claim 2" in line 1. There is insufficient antecedent basis for this limitation in the claim. Claim 2 does not disclose a computer program product, and this would appear to be simply a typo. Furthermore, it is unclear whether the

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applicant intends claim 23 to be dependent on claim 2, 21 or 22. For purposes of examination, the claim will be interpreted to read "The computer program product of claim 22..."

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 9. Claims 1-25 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 5,778,212 to Dehnert et al, hereafter referred to as Dehnert.

Per claim 1:

Dehnert discloses:

- a method for compiling program files ("a conventional compilation system..." in col. 6 line 38)
- optimizing the program files into object files, wherein the object files are comprised of information indicating optimization ("The intermediate '.o' files...are written in an extended object file format and contain...the summary information within a program unit that might later be used..." in col. 8 lines 33-37)
- maintaining cross modular functional relationship between object files ("performs cross-program unit analysis and optimization" in col. 9 lines 21-22)

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- extracting the information indicating optimization ("the IPA/IPO phase inputs and analyzes the intermediate '.o' files...uses the summary information contained in the intermediate '.o' files..." in col. 9 lines 18-21)

linking the object files to create an executable object file ("The linkage editor...inputs the object '.o' files...resulting from the compilation and generates an executable program..." in col. 10 lines 9-11)

substantially as claimed.

Per claim 2:

The rejection of claim 1 is incorporated, and further, Dehnert discloses creating intermediate representation files prior to optimizing the program files as claimed (Note Figure 4 and the corresponding sections of the disclosure.)

Per claim 3:

The rejection of claim 2 is incorporated, and further, Dehnert discloses extracting information regarding the intermediate representation files as claimed ("the IPA/IPO phase inputs and analyzes the intermediate '.o' files...uses the summary information contained in the intermediate '.o' files..." in col. 9 lines 18-21)

Per claim 4:

The rejection of claim 1 is incorporated, and further, Dehnert discloses information related to code generators as claimed ("the IPA/IPO phase has access to the compilation options in each intermediate ".o" file..." in col. 8 lines 42-43)

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Per claim 5:

The rejection of claim 1 is incorporated, and further, Dehnert discloses extracting the information

related to code generators as claimed ("the IPA/IPO phase has access to the compilation options in

each intermediate '.o' file..." in col. 8 lines 42-43)

Per claim 6:

Dehnert discloses:

- a framework for compiling program files ("a conventional compilation system..." in col. 6

line 38)

- an optimizer for optimizing program files into object files, wherein the object files are

comprised of information indicating optimization ("The intermediate '.o' files...are written

in an extended object file format and contain...the summary information within a program

unit that might later be used..." in col. 8 lines 33-37)

- wherein the optimizer further extracts the information indicating optimization ("the

IPA/IPO phase inputs and analyzes the intermediate '.o' files...uses the summary

information contained in the intermediate '.o' files..." in col. 9 lines 18-21)

a linker linking the object files to create an executable output file ("The linkage

editor...inputs the object '.o' files...resulting from the compilation and generates an

executable program..." in col. 10 lines 9-11)

substantially as claimed.

Per claim 7:

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The rejection of claim 6 is incorporated, and further, note the rejection regarding claim 2.

Per claim 8:

The rejection of claim 7 is incorporated, and further, note the rejection regarding claim 3.

Per claim 9:

The rejection of claim 6 is incorporated, and further, note the rejection regarding claim 4.

Per claim 10:

The rejection of claim 9 is incorporated, and further, note the rejection regarding claim 5.

Per claims 11-25:

Claims 11-15, 16-20 and 21-25 are directed to a computer system, an apparatus and a computer program product, respectively, for performing the methods of claims 1-5, respectively, and are rejected for the reasons set forth in connection with claims 1-5, respectively.

Conclusion

- 10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trent J Roche whose telephone number is (703)305-4627. The examiner can normally be reached on Monday Friday, 9:00 am 5:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (703)305-9662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Trent J Roche Examiner Art Unit 2124

TJR

ANIL KHATRI PRIMARY EXAMINER